Graduation Standards, Cross-Curricular Skills

Maine's Guding Principles

A Clear and Effective Communicator

- Demonstrates organized and purposeful communication in English and at least one other language;
- Uses evidence and logic appropriately in communication;
- Adjusts communication based on the audience; and
- Uses a variety of modes of expression (spoken, written, visual and performing arts including the use of technology to create and share the expressions).

ELA College and Career Readiness Standards	Standards for Mathematical Practice	Science College and Career Readiness Evidence (CCR) or Practices of Science and Engineering (PSE)	Vision for the College, Career and Civic Life (C3) Framework for Inquiry in Social Studies State Standards	Partnership for 21st Century Skills: Framework for 21st Century Learning (P21)	Habits of Mind (Costa & Kallick, 2000) (HM)
E.3. They respond to the varying demands of audience, task, purpose, and discipline. E.4. They comprehend as well as critique. E.5. They value evidence. E.6. They use technology and digital media strategically and capably.	CCSS Math Practice 3. Construct viable arguments and critique the reasoning of others CCSS Math Practice 6. Attend to precision	PSE 1. Asking questions and defining problems PSE 7. Engaging in argument from evidence PSE 8. Obtaining, evaluating, and communicating information	C3.2. Applying disciplinary concepts and tools C3.3. Gathering, evaluating, and using evidence C3.4. Working collaboratively and communicating conclusions	Learning and Innovation: Communication and Collaboration Information, Media and Technology Skills: Information, media and ICT literacy	HM.3. Listening with understanding and empathy HM.9. Thinking and communicating with clarity and precision HM.12. Responding with wonderment and awe

Maine's Guding Principles

A Self-Directed and Lifelong Learner

- Recognizes the need for information and locates and evaluates resources;
- Applies knowledge to set goals and make informed decisions;
- Applies knowledge in new contexts;
- Demonstrates initiative and independence;
- Demonstrates flexibility including the ability to learn, unlearn, and relearn;
- Uses interpersonal skills to learn and work with individuals from diverse backgrounds.

ELA College and Career Readiness Standards	**Standards for Mathematical Practice**	**Science College and Career Readiness Evidence (CCR) or Practices of Science and Engineering (PSE)**	**Vision for the College, Career and Civic Life (C3) Framework for Inquiry in Social Studies State Standards**	**Partnership for 21st Century Skills: Framework for 21st Century Learning (P21)**	**Habits of Mind (Costa & Kallick, 2000) (HM)**
E.1. They demonstrate independence. E.2. They build strong content knowledge. E.5. They value evidence. E.7. They come to understanding other perspectives and cultures.	CCSS Math Practice 1. Make sense of problems and persevere in solving them. CCSS Math Practice 5. Use appropriate tools strategically CCSS Math Practice 6. Attend to precision.	PSE 3. Planning and carrying out investigations CCR 1. Apply blend of practices, crosscutting concepts and disciplinary core ideas to make sense of the world and approach problems not previously encountered by the student, new situations, new phenomena, and new information CCR 2. Self directed planning, monitoring and evaluation CCR 3. Apply knowledge flexibly across various disciplines through the continual exploration of science CCR 4. Employ valid and reliable research strategies CCR 5. Exhibit evidence of the effective transfer of math and literacy skills to science	C3.1. Developing questions and planning investigations C3.2. Applying disciplinary concepts and tools C3.3. Gathering, evaluating, and using evidence C3.4. Working collaboratively and communicating conclusions	Learning and Innovation: Creativity and Innovation Life and Career Skills: flexibility and adaptability; initiative and self-direction; social and cross cultural skills; productivity and accountability; leadership and responsibility	HM.1. Persisting HM.2. Managing impulsivity HM.3. Listening with understanding and empathy HM.4. Thinking flexibly HM.5. Thinking about thinking (metacognition) HM.9. Thinking and communicating with clarity and precision HM.12. Responding with wonderment and awe HM.13. Taking responsible risks. HM.14. Finding humor HM.16. Remaining open to continuous learning

Maine's Guding Principles

A Creative and Practical Problem Solver

- Observes and evaluates situations to define problems;
- Frames questions, makes predictions, and designs data/information collection and analysis strategies;
- Identifies patterns, trends, and relationships that apply to solutions;
- Generates a variety of solutions, builds a case for a best response and critically evaluates the effectiveness of the response;
- Sees opportunities, finds resources, and seeks results;
- Uses information and technology to solve problems; and
- Perseveres in challenging situations.

ELA College and Career Readiness Standards	Standards for Mathematical Practice	Science College and Career Readiness Evidence (CCR) or Practices of Science and Engineering (PSE)	Vision for the College, Career and Civic Life (C3) Framework for Inquiry in Social Studies State Standards	Partnership for 21st Century Skills: Framework for 21st Century Learning (P21)	Habits of Mind
E.1. They demonstrate independence. E.4. They comprehend as well as critique. E.6. They use technology and digital media strategically and capably.	CCSS Math Practice 1. Make sense of problems and persevere in solving them. CCSS Math Practice 2. Reason abstractly and quantitatively. CCSS Math Practice 4. Model with mathematics. CCSS Math Practice 5. Use appropriate tools strategically. CCSS Math Practice 7. Look for and make use of structure CCSS Math Practice 8. Look for and express regularity in repeated reasoning	PSE 1. Asking questions and defining problems PSE 2. Developing and using models PSE 3. Planning and carrying out investigations PSE 4. Analyzing and interpreting data PSE 5. Using mathematics and computational thinking PSE 6. Constructing explanations and designing solutions CCR 1. Apply blend of practices, crosscutting concepts and disciplinary core ideas to make sense of the world and approach problems	C3.1. Developing questions and planning investigations C3.2. Applying disciplinary concepts and tools C3.3. Gathering, evaluating, and using evidence C3.4. Working collaboratively and communicating conclusions	Learning and Innovation: Critical thinking and problem solving; Communication and Collaboration	HM.1. Persistence HM.6. Striving for accuracy HM.7. Questioning and posing problems HM.8. Applying past knowledge to new situations HM.10. Gathering data through all the senses HM.11. Creating, imagining, innovating HM.15. Thinking interdependently

		not previously encountered by the student, new situations, new phenomena, and new information CCR 2. Self directed planning, monitoring and evaluation CCR 3. Apply knowledge flexibly across various disciplines through the continual exploration of science CCR 4. Employ valid and reliable research strategies CCR 5. Exhibit evidence of the effective transfer of math and literacy skills to science			

Maine's Guding Principles

A Responsible and Involved Citizen

- Participates positively in the community and designs creative solutions to meet human needs and wants;
- Accepts responsibility for personal decisions and actions;
- Demonstrates ethical behavior and the moral courage to sustain it;
- Understands and respects diversity;
- Displays global awareness and economic and civic literacy; and
- Demonstrates awareness of personal and community health and wellness.

ELA College and Career Readiness Standards	**Standards for Mathematical Practice**	**Science College and Career Readiness Evidence (CCR) or Practices of Science and Engineering (PSE)**	**Vision for the College, Career and Civic Life (C3) Framework for Inquiry in Social Studies State Standards**	**Partnership for 21st Century Skills: Framework for 21st Century Learning (P21)**	**Habits of Mind**
E.1. They demonstrate independence. E.3. They respond to the varying demands of audience, task, purpose and discipline.	CCSS Math Practice 1. Make sense of problems and persevere in solving them.	PSE 3. Planning and carrying out investigations PSE 8: Obtaining, evaluating, and communicating information	C3.1. Developing questions and planning investigations C3.2. Applying disciplinary concepts and tools C3.4. Working collaboratively and communicating conclusions	Core Subjects & 21st Century Themes: Global Awareness; Financial, Economic, Business and Entrepreneurial Literacy;	HM.2. Managing impulsivity HM.3. Listening with understanding and empathy HM.11. Creating, imagining, innovating HM.13. Taking responsible risks

E.7. They come to understanding other perspectives and cultures.		CCR 1. Apply blend of practices, crosscutting concepts and disciplinary core ideas to make sense of the world and approach problems not previously encountered by the student, new situations, new phenomena, and new information CCR 2. Self directed planning, monitoring and evaluation CCR 3. Apply knowledge flexibly across various disciplines through the continual exploration of science PSE 2. Developing and using models PSE 4. Analyzing and interpreting data CCR 1. Apply blend of practices, crosscutting concepts and disciplinary core ideas to make sense of the world and approach problems not previously encountered by the student, new situations, new phenomena, and new information CCR 3. Apply knowledge flexibly across various disciplines through the continual exploration of science CCR 5. Exhibit evidence of the effective transfer of math and literacy skills to science		Civic Literacy; Health Literacy; Environmental Literacy	HM.14. Finding humor HM.15. Thinking interdependently

Maine's Guding Principles

An Integrative and Informed Thinker

- Gains and applies knowledge across disciplines and learning contexts and to real life situations with and without technology;
- Evaluates and synthesizes information from multiple sources;
- Applies ideas across disciplines; and
- Applies systems thinking to understand the interaction and influence of related parts on each other and on outcomes.

ELA College and Career Readiness Standards	Standards for Mathematical Practice	Science College and Career Readiness Evidence (CCR) or Practices of Science and Engineering (PSE)	Vision for the College, Career and Civic Life (C3) Framework for Inquiry in Social Studies State Standards	Partnership for 21st Century Skills: Framework for 21st Century Learning (P21)	Habits of Mind
E.1. They demonstrate independence. E.2: They build strong content knowledge. E.4. They comprehend as well as critique.	CCSS Math Practice 2. Reason abstractly and quantitatively. CCSS Math Practice 4. Model with mathematics. CCSS Math Practice 8. Look for and express regularity in repeated reasoning.	PSE 2. Developing and using models PSE 4. Analyzing and interpreting data CCR 1. Apply blend of practices, crosscutting concepts and disciplinary core ideas to make sense of the world and approach problems not previously encountered by the student, new situations, new phenomena, and new information CCR 3. Apply knowledge flexibly across various disciplines through the continual exploration of science CCR 5. Exhibit evidence of the effective transfer of math and literacy skills to science	C3.2. Applying disciplinary concepts and tools C3.3. Gathering, evaluating, and using evidence	Learning and Innovation: Critical thinking and problem solving Information, Media and Technology Skills: Information Literacy, Media Literacy	HM.4. Thinking flexibly HM.5. Thinking about thinking (metacognition) HM.8. Applying past knowledge to new situations HM.10. Gathering data through all the senses HM.16. Remaining open to continuous learning